Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1 to 23 (Cancelled)

24. (New) An endoscopic system for internal inspection of an object comprising:

an endoscope extending along a longitudinal axis between a distal end to be inserted into the object and a proximal end;

an illumination assembly attached to the proximal end of the endoscope, the illumination assembly including a solid-state light source having a plurality of semiconductor light sources;

an optical system positioned distally from the solid-state light source, the optical system receiving and conveying light to the distal end; and

an image pickup device;

wherein the solid-state light source rotates relative to the image pickup device.

25. (New) The endoscopic system of claim 24 wherein the solid-state light source rotates relative to the image pickup device comprises the solid-state light source rotating about the longitudinal axis.

26. (New) The endoscopic system of claim 24 wherein the image pickup device is positioned proximally to the endoscope.

27. (New) The endoscopic system of claim 24 wherein the image pickup device maintains a right-side-up position independent of the rotation of the solid-state light source.

28. (New) The endoscopic system of claim 24 wherein the plurality of semiconductor light sources include light emitting diodes (LEDs).

29. (New) The endoscopic system of claim 28 wherein the LEDs are grouped in a trio, each trio has a first LED configured to emit a blue light, a second LED configure to emit a red light, and a third LED configured to emit a green light.

30. (New) The endoscopic system of claim 24, further comprising a wireless transmitter positioned proximally from the distal end of the endoscope and a battery positioned proximally to the distal end of the endoscope.

31. (New) An endoscopic system for internal inspection of an object comprising:

an endoscope extending along a longitudinal axis between a distal end to be inserted into the object and a proximal end;

an illumination assembly attached to the proximal end of the endoscope, the illumination assembly including a solid-state light source having a plurality of semiconductor light sources;

an optical system positioned distally from the solid-state light source, the optical system receiving and conveying light to the distal end, the optical system includes a set of fiber optic elements extending from the semiconductor light sources at the proximal end to the distal end, each semiconductor light source is configured to emit light to one corresponding fiber optic element; and

an image pickup device;

wherein the solid-state light source rotates relative to the image pickup device.

32. (New) The endoscopic system of claim 31 wherein the solid-state light source rotates relative to the image pickup device comprises the solid-state light source rotating about the longitudinal axis of the endoscope.

33. (New) The endoscopic system of claim 31 wherein the image pickup device is positioned proximally to the endoscope.

34. (New) The endoscopic system of claim 31 wherein the image pickup device maintains a right-side-up position independent of the rotation of the solid-state light source.

35. (New) The endoscopic system of claim 31 wherein each fiber optic element comprises a fiber optic line.

36. (New) The endoscopic system of claim 31 wherein each fiber optic element comprises a bundle of fiber optic lines.

37. (New) The endoscopic system of claim 31 wherein the plurality of semiconductor light sources include light emitting diodes (LEDs).

38. (New) The endoscopic system of claim 31, further comprising a wireless transmitter positioned proximally from the distal end of the endoscope and a battery positioned proximally to the distal end of the endoscope.

39. (New) An endoscopic system for internal inspection of an object comprising:

an endoscope extending along a longitudinal axis between a distal end to be inserted into the object and a proximal end;

an illumination assembly attached to the proximal end of the endoscope, the illumination assembly including a solid-state light source having a plurality of semiconductor light sources;

an optical system positioned distally from the solid-state light source, the optical system receiving and conveying light to the distal end, the optical system includes a set of fiber optic elements extending from the semiconductor light sources at the proximal end to the distal end,

each semiconductor light source is configured to emit light to one corresponding fiber optic element; and

an image pickup device;

wherein the endoscope rotates relative to the image pickup device.

40. (New) The endoscopic system of claim 39 wherein the endoscope rotates relative to the image pickup device comprises the endoscope rotating about the longitudinal axis.

41. (New) The endoscopic system of claim 39 wherein the image pickup device is positioned proximally to the endoscope and the image pickup device maintains a right-side-up position independent of the rotation of the endoscope.